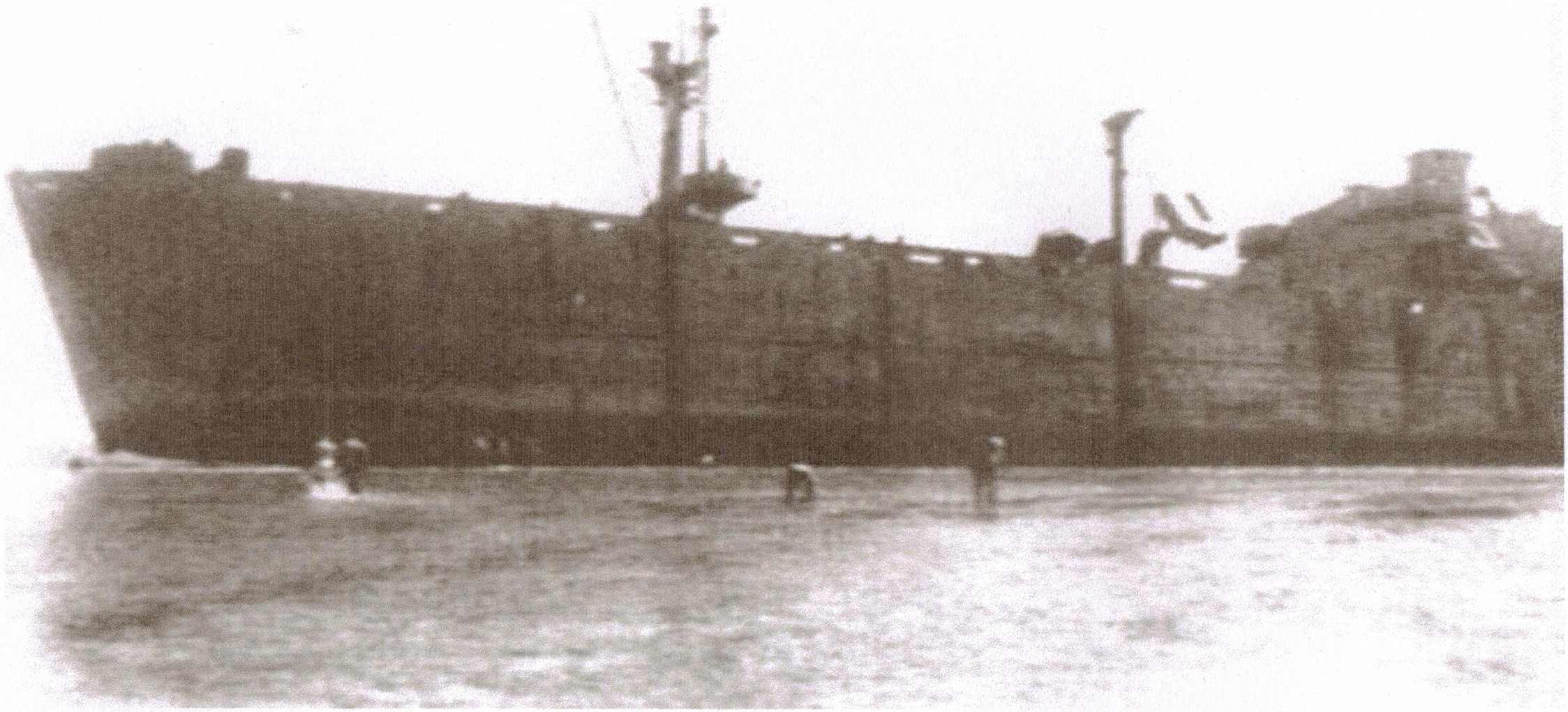
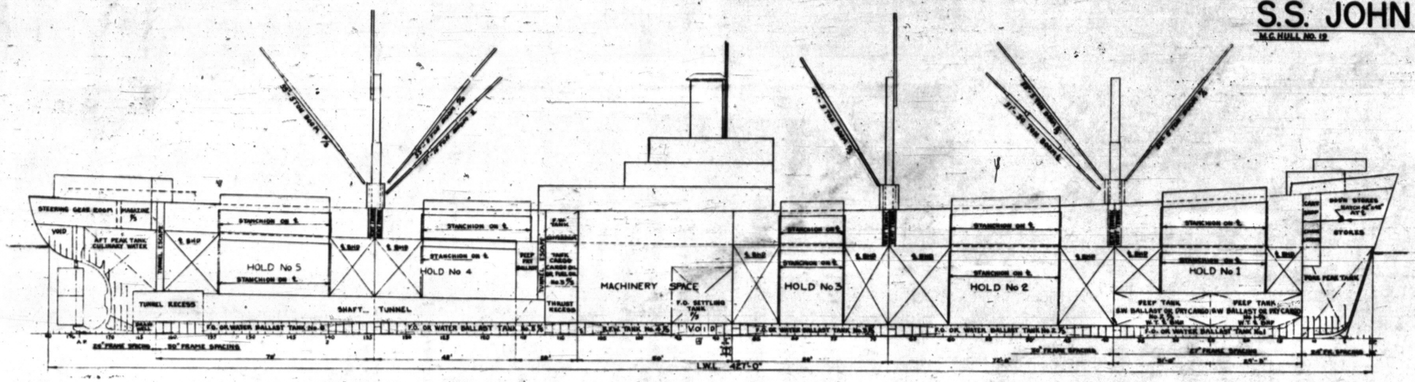
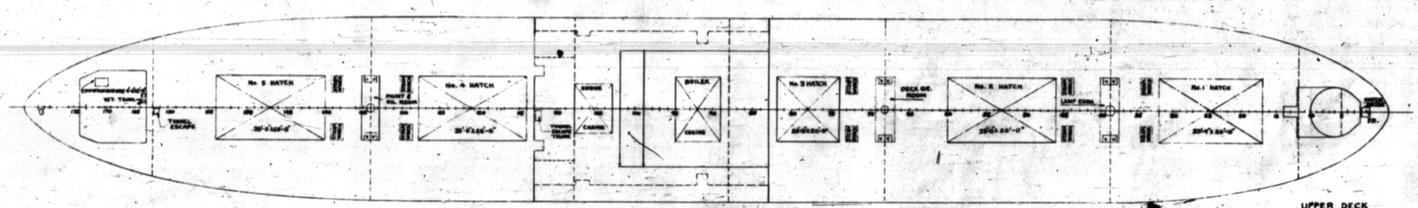
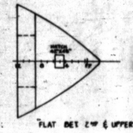


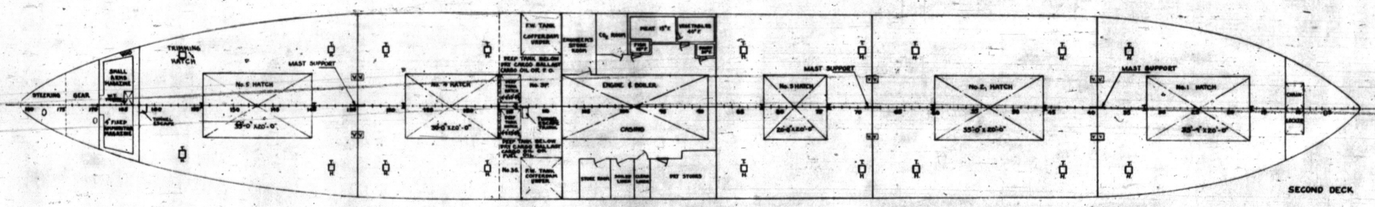
S.S. JOHN RANDOLPH

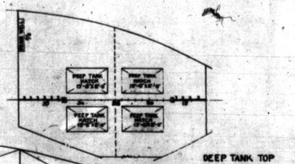
M.C. HULL NO. 12 — B.F. HULL NO. 2006

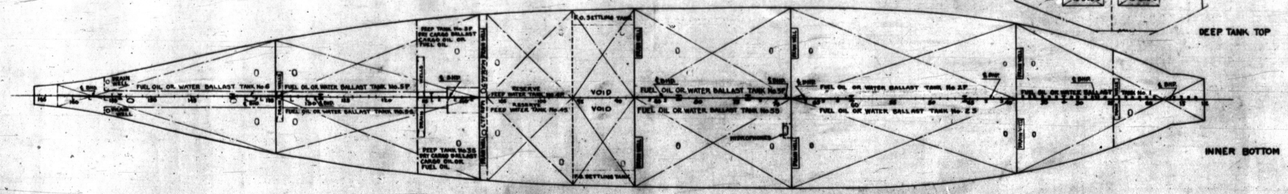












STORE ROOM	CU. FT.
BOS'N. STORES ON 2ND DECK F.R. TO FR. 12	3034
BOS'N. STORES ON FLAT BET. 2ND & UPP. DKS.	3492
CABIN STORES 2ND DK. (FRS. 88-106)	4329
LINEN LOCKER	585
BONDED STORES	186
REFRIGERATED STORES	
MEAT	801
FISH	173
VEGETABLES	768
DAIRY	176

CARGO

COMPARTMENT		GRAIN CAP. CU. FT.	BALE CAP. CU. FT.
HOLD No. 1		G.F.	G.F.
	HOLD	41257	36083
	TWEEN DECKS	45572	39994
HOLD No. 2			
	HOLD	98860	92008
	TWEEN DECKS	46744	42630
HOLD No. 3			
	HOLD	68459	59793
	TWEEN DECKS	27970	23904
HOLD No. 4			
	HOLD	58841	52574
	TWEEN DECKS	35277	29689
HOLD No. 5			
	HOLD	58620	51571
	TWEEN DECKS	34570	30864
DEEP TANKS	No. 1P	3639	2729
	No. 1S.	3639	3004
	No. 2P	7473	5294
	No. 2S.	7473	5578
	No. 3P	13674	12506
	No. 3S	13188	12024
	TOTAL	563256	500245

WATER BALLAST

TANK		CU. FT.	TONS @ 35CF
FORE PEAK		5073	145
WATER BALLAST	No. 1	5029	144
" "	No. 2P	5967	170
" "	No. 2S.	5967	170
" "	No. 3P.	4400	126
" "	No. 3S.	4365	125
" "	No. 5P.	4391	125
" "	No. 5S.	4391	125
" "	No. 6	4118	118
AFTER PEAK—CULINARY WATER		5438	155
DEEP TANKS	No. 1P	3973	114
	No. 1S.	3973	114
	No. 2P	7340	210
	No. 2S.	7340	210
	No. 3P.	13540	387
	No. 3S.	13065	373
	TOTAL	98370	2811

FRESH WATER

TANK		GAL'S	TONS @ 36CF
RESERVE FEED	No. 4P	17855	66
" "	No. 4S.	17855	66
FRESH WATER	FR. 106-113P	7541	28
" "	FR. 106-113S	7541	28
	TOTAL	50792	188

FUEL OIL

TANK		GAL'S	TONS @ 32.5CF
FUEL OIL TANK	No. 1	36863	132
" " "	No. 2P	43742	157
" " "	No. 2S	43742	157
" " "	No. 3P.	32251	116
" " "	No. 3S.	31955	115
" " "	No. 5P.	32185	116
" " "	No. 5S.	32185	116
" " "	No. 6	30183	108
	TOTAL	283106	1017
F.O. SETTLING TANK	FR. 88-96P	14083	51
" " "	FR. 88-96S	14083	51
	TOTAL	28166	102
CARGO OIL OR FUEL OIL			
DEEP TANK	No. 3P	99257	356
" "	No. 3S	95772	344
	TOTAL	195029	700
	TOTAL (ALL F.O.)	506301	1819

PRINCIPAL DIMENSIONS

L.O.A.	441' 7½"
L.B.P. (25' 3½" W.L.)	416' 0"
BREADTH MLD.	56' 10⅜"
BREADTH EXTREME	57' 1⅛"
DEPTH TO UPPER DECK, MLD.	37' 4"
DEPTH TO SECOND DECK, MLD.	28' 7"
DRAFT	27' 9⅛"

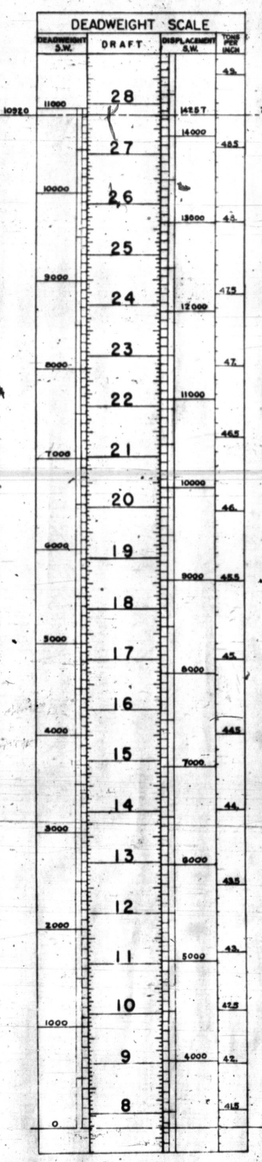
CAPACITIES & TYPES OF WINCHES
7-12 DBL. GEARED WINCHES FOR 5, 15 & 30 TON BOOMS

HEIGHTS OF MASTS

FIXED MAST ABOVE DECK		FOREMAST	40' 3⅝"
" " "	"	FR. 68	42' 11⅞"
" " "	"	FR. 134	43' 2⅛"
TELESCOPIC	"	FR. 68	62' 11⅞"
"	"	FR. 134	62' 2⅛"

ENGINE
DIRECT ACTING CONDENSING THREE CYLINDER TRIPLE EXPANSION ENGINE DEVELOPING 2500 I.H.P. AT 78 R.P.M.

BOILERS
TWO MAIN BOILERS OF THE CROSS DRUM SECTIONAL SINUOUS HEADER STRAIGHT TUBE TYPE FITTED WITH SUPER HEATERS BURNING BUNKER 'C' FUEL OIL.



S.S. JOHN RANDOLPH

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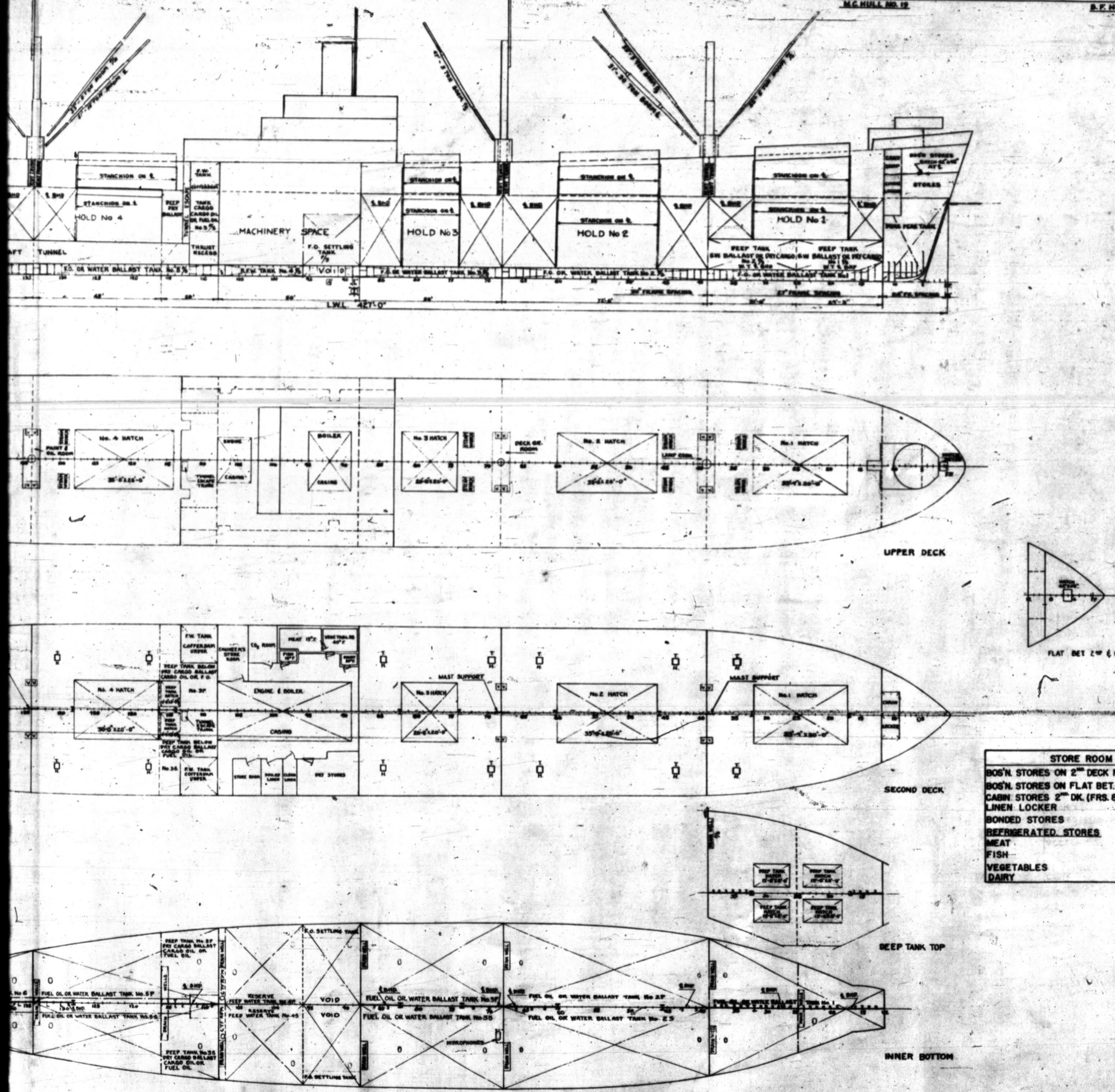

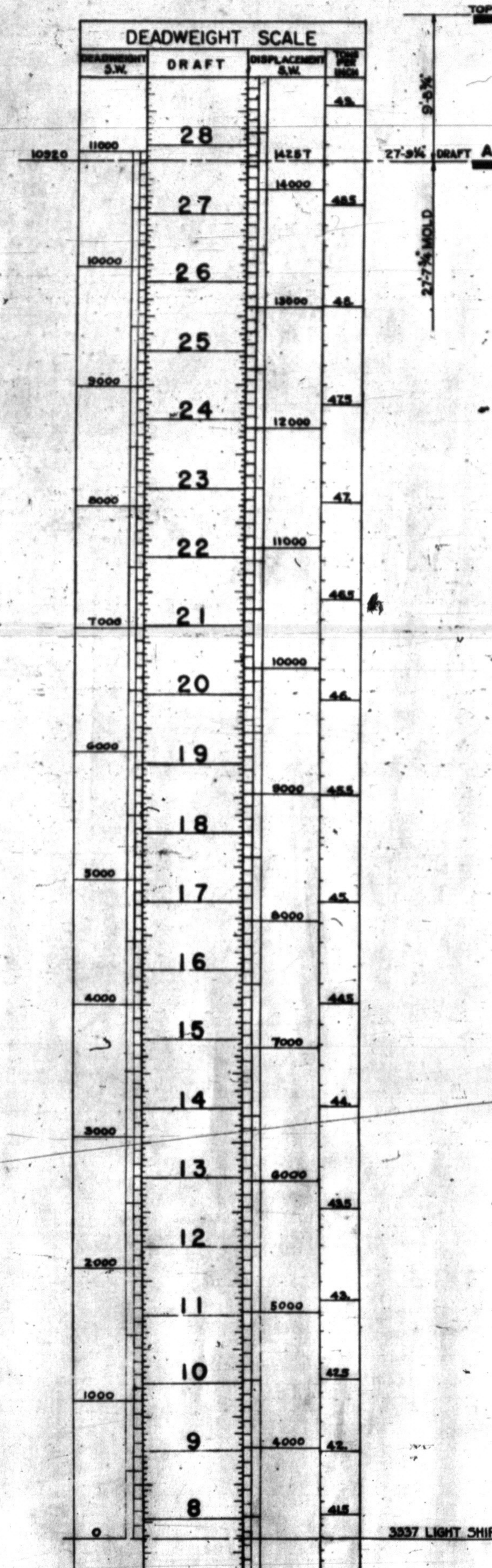

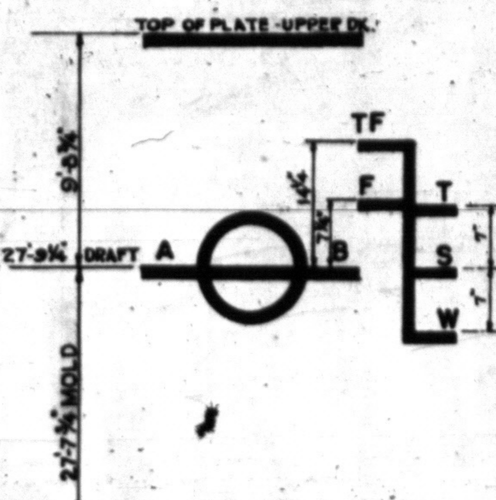

No.	ALTERATIONS	DATE	REMARKS
1	LENGTH OF HATCH No.1 ON UPPER DK. & 2ND DK CORRECTED TO [illegible]	[illegible] L.F.H.	

CARGO

COMPARTMENT		GRAIN CAP.	BALE CAP.
HOLD No. 1		C.F.	C.F.
	HOLD	41257	36083
	TWEEN DECKS	43572	39994
HOLD No. 2			
	HOLD	98860	92008
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" "	No. 4S.	17855	66
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" "	FR. 108-113S.	7541	28
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" " "	No. 2P.	43742	157
" " "	No. 2S.	43742	157
" " "	No. 3P.	32251	116
" " "	No. 3S.	31955	115
" " "	No. 5P.	32185	116
" " "	No. 5S.	32185	116
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" "	No. 3S.	95772	344
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DRAFT ——— 27'-9¼"

CAPACITIES & TYPES OF WINCHES
7×12 DBL. GEARED WINCHES FOR 5, 15 & 30 TON BOOMS

HEIGHTS OF MASTS

FIXED MAST ABOVE DECK	FOREMAST	40'-3 11/16"
" " " "	FR. 68	42'-11 5/16"
" " " "	FR. 134	42'-2 1/16"
TELESCOPIC " "	FR. 68	62'-11 5/16"
" " "	FR. 134	62'-2 1/16"

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NOTE:
THE LIGHT WEIGHT OF THE SHIP INCLUDES THE 4" GUN AFT., 4-50 CALIBER MACHINE GUNS, 4-30 CALIBER MACHINE GUNS, 3"-50 CALIBER GUN FORWARD & AMMUNITION

DESIGN NO. EC2-S-C1

UNITED STATES MARITIME COMMISSION
EMERGENCY SHIP CONSTRUCTION DIVISION

CAPACITY PLAN

SCALE 1/16" = 1 FOOT — DATE FEB. 25, 1942
DRAWN P.P. — APPROVED
TRACED — APPROVED
CHECKED L.F.H. — APPROVED

BETHLEHEM-FAIRFIELD SHIPYARD, INCORPORATED
FAIRFIELD — BALTIMORE, MD.

M.C.E. PLAN No 14-63 301-312 — S29-1-1-5

APPROVED AS NOTED IN
M.C.E. LETTER DATED 5-31-42
M.C.E. FILE NO. S29-1(H)
BY
BY